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SURFACE ON A STAINLESS STEEL MATRIX

ABSTRACT OF THE DISCLOSURE

An outermost surface covering not less than 55% of stainless steel, said surface having a thickness from 0.1 to 15 microns and being a spinel of the formula $Mn_xCr_{3-x}O_4$ wherein x is from 0.5 to 2 is not prone to coking and is suitable for hydrocarbyl reactions such as furnace tubes for cracking.